

Production/Admin: \_\_\_\_\_  
Date \_\_\_\_\_  
Received/Costing \_\_\_\_\_  
Initial \_\_\_\_\_

*12/2/8*

Location \_\_\_\_\_

Initials of receiver (if shipment OK) Level 12 *[Signature]*

Part Number	Description	Ordered Quantity	Received Quantity	Returned Quantity	Short Quantity	Comments

Discrepancies

Work Order \_\_\_\_\_  
QC6 Inspection \_\_\_\_\_  
Shipment Complete: \_\_\_\_\_  
Waybill Attached: \_\_\_\_\_  
Release Note Attached: \_\_\_\_\_  
Yes \_\_\_\_\_ No \_\_\_\_\_  
Yes \_\_\_\_\_ No \_\_\_\_\_  
Yes \_\_\_\_\_ No \_\_\_\_\_  
N/A \_\_\_\_\_  
N/A \_\_\_\_\_  
N/A \_\_\_\_\_  
N/A \_\_\_\_\_

Packing Slip: \_\_\_\_\_  
Invoice: \_\_\_\_\_  
Receipt: \_\_\_\_\_  
Cash: \_\_\_\_\_  
Cr: \_\_\_\_\_  
No \_\_\_\_\_  
Yes \_\_\_\_\_

Date: *12/2/8*  
Supplier: *TH250A*  
Batch No: \_\_\_\_\_  
Part P/O: *15910*

## Receiving Report

# Purchase Order Receipt Listing

Wednesday, February 08, 2012 9:09:09 AM

~~All amounts are calculated in domestic currency.~~

Line	Item	Receipt Dates from 2/8/2012 to 2/8/2012	All Line Item Types
1	PO IN 0015010		

All vendors	FOID 101510	All Rec. Employees	All Currencies
All Item ID/GI/WOs			

Grouped by Vendor ID

[illegible]

No: PEC 750856  
Ship Date 02Feb12 at 8:58 From PFW

B I L L O F L A D I N G

Ship Date 02Feb12 at 8:58 From PFW  
Via VIM TRANSFER  
Concord  
Prepaid  
Route 0 - 0 Manifest  
Trailer  
Slp  
Sold To: STAN IVERS (905-532-1350)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: (1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 9057389033

B I L L O F L A D I N G

1) Our Order PEC-409388- 1 Your PO # 15910  
Part # SA-693 ASTM A 693

STAINLESS STEEL PLATE 17-4 HRAE  
".250" THICK X 4.0000" X 144.0000"

Heat Number 836232  
Tag No 515030

2) Our Order PEC-409388- 2 Your PO # 15910  
ALUMINUM SHEET 2024-T3

0400 Nom X 48.0000" X 144.0000"

Heat Number 518886A7  
Tag No 513593

TOTAL:

Quantity 8.00 SFT

PCS 2

Wt LBS 88

MTR

Quantity 192.00 SFT

PCS 4

Wt LBS 111

MTR

Tags 2

PCS 6

LBS 199

ADD ON TO 409387 SUR-CHARGE PAID

WILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
\*\* REFERENCED ON IT \*\*

TOTAL 1 BDL, 1 SKID G.W. 338 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

Page: 1 ...continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE RAPORTEES IMMEDIATEMENT  
ERREURS OF SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT  
MARCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

21/12

DATE

RECU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION :  
TVO/OST# 1017327981 TQ001 TFS/GST TVH/HST # 140223934 RT0001

B I L L O F L A D I N G

No: PEC 750856  
Ship Date 02Feb12 at 8:58 From PFW

Probill  
Via VIM TRANSFER

FOB CONCORD

Frt PREPAID

Route 0 - 0 Manifest

Vehicle Trailer

Slp STAN IVERS (905-532-1350)

Sold To: (20115)

DART AEROSPACE

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 9057389033

Ship To: (1)  
DART AEROSPACE

B I L L O F L A D I N G

CONCORD, ONT. \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\* WE STOCK STAINLESS STEEL \*\*\*\*\*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE ADDED TO EVERY ORDER.\*\*\*


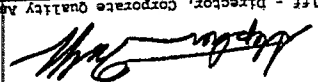
Page: 2 . . . . Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE  
RAPPORTÉES IMMÉDIATEMENT  
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY  
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

11/12

DATE

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION  
TVA/GST# 1017327981 T0001 TPS/GST TVH/HST # 140223934 RT0001

 <b>ATI Allegheny Ludlum</b>		<b>Customer Information</b> Stephen Wolfe - Director, Corporate Quality Assurance 	
<b>Mill Information</b> Cert Number 0003237-00 Sales Order 50-111-083 Cert Date Jan-06-2012		<b>Customer Information</b> Name COPPER & BRASS SALES INC PO 5400122536-R04 PO Date NOV-03-2011	

<b>Sold COPPER &amp; BRASS SALES INC</b> CORPORATE SALES DIVISION PO BOX 5116 SOUTHFIELD, MI 48086	<b>Ship COPPER &amp; BRASS ELKHART</b> 1015 SAINT JEROME ST MISHAWAKA, IN 46544
---	---

<b>"ATI 17-4" PRECIPITATION HARDENABLE STAINLESS STEEL</b> PMP HOT ROLLED PLATE ANNEALED* PICKLED COMMERCIAL CUT EDGE	ASTM-A-693-06 T-630 CND H900 AMS 5604F CND H900
--	--

**Piece Information**

Pcs	Gauge	Width	Length	Heat #	Piece ID	Section ID	Lot #	Total Wt
1	.2500	60.0000	144.0000	836232	AA28448	---	406113	670
1	.2500	60.0000	144.0000	836232	AA28449	---	406113	670
1	.2500	60.0000	144.0000	836232	AA28450	---	406113	670
1	.2500	60.0000	144.0000	836232	AA28451	---	406113	670
1	.2500	60.0000	144.0000	836232	AA28452	---	406113	670
1	.2500	60.0000	144.0000	836232	AA28453	---	406113	670

Item: 001	Cust-Id: SSFLR00532	Govt-Contract-#:	Govt-DO-Rating:
-----------	---------------------	------------------	-----------------

Element		Min	Max	Final Heat Analysis
C	BN	.07	.05	
MN	BN	1.00	.53	
P	BN	.040	.023	
S	BN	.030	< .001	
SI	BN	1.00	.21	
CR	BN	15.00	15.42	
NI	BN	3.00	4.62	
MO	BN	---	.50	
CU	BN	3.00	3.24	
CB	BN	.15	.45	

DELIVERY 240165902  
 PCS 2  
 PO# 000-236179  
 OCT 2011

YIELD 0.2%	psi	---	---	170000.	---
Test Limit	Units	Min	Max	Min	Max
Spec:					
Temperature:	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP
Direction:	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE
Condition:	ANNEALED	ANNEALED	ANNEALED	ANNEALED	H900

**Mechanical Property Requirements**

RED OF AREA	%	---	---	---	---	---	---	---	---
ELONGATION	%	---	---	---	---	---	---	---	---
TENSILE	psi	---	---	---	---	---	---	---	---
YIELD 0.2%	psi	---	---	---	---	---	---	---	---
HARDNESS	---	---	---	---	---	---	---	---	---
Test Limit	Units	Result	Loc	Result	Loc	Result	Loc	Result	Loc
Spec:									
Temperature:	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP	ROOM TEMP
Direction:	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE	TRANSVERSE
Condition:	ANNEALED	ANNEALED	ANNEALED	ANNEALED	ANNEALED	ANNEALED	ANNEALED	ANNEALED	H900
LOT	406113	LOT	406113	LOT	406113	LOT	406113	LOT	406113


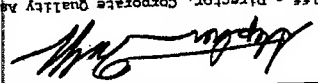
**Mechanical Testing**

836232 - Material was produced by BF melting with AOD refining.  
 CBC = Cb / C  
 CBT = Cb + Ta

Allegany Ludlum performs chemical analysis by the following techniques:  
 C, S by combustion/infrared; N, O, H by inert fusion/thermal conductivity;  
 Mn, P, Si, Cr, Ni, Mo, Cu, Pb, V, by WDXRF; Pb, Bi, Ag by GFAA;  
 B by OES; Al and Ti (>=0.10%) by WDXRF, otherwise by OES.

Element	Min	Max	836232	Loc
TA	---	---	.010	TC
CBT	.15	.45	.31	BN
CBC	5.00	---	5.56	---

**Chemistry Testing**

		500 Green Street Washington, PA 15301	
<b>Certificate of Test</b>		Mill Information Cert Number 0003237-00 Sales Order 50-111-083 Date Cert Jan-06-2012	
Customer Information Name COPPER & BRASS SALES INC PO 5400122536-R04 Date PO NOV-03-2011		Stephen Wolff - Director, Corporate Quality Assurance 	

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS  
 BN = ATI-ALLEGHENY LUDLUM; 100 River Road; Brackenridge, PA 15014  
 TC = ATI-ALLEGHENY LUDLUM; 1300 Pacific Avenue; Natrona Heights, PA 15065  
 WARNING: Processing that makes fumes, dust, or solutions may cause lung disease. Please see MSDS for further information which has been supplied to your purchasing department. For an additional copy, please refer to our web site at [www.atialleggheny.com/pages/assistance/MSDS.asp](http://www.atialleggheny.com/pages/assistance/MSDS.asp).  
 For access to online Certifications of Test, please register at [www.atialleggheny.com](http://www.atialleggheny.com).  
 The above is a true copy of the data on file. The material and test results conform to the sales contract and specification(s) as set forth in ATI Alleggheny Ludlum's order acknowledgement. This certificate of test may not be reproduced except in full without the written authorization of the company.

### General Statements

ATI Alleggheny Ludlum does not use mercury in the testing or production of its products. To the best of ATI Alleggheny Ludlum's knowledge, understanding, and belief, this material was not contaminated by mercury while it was being produced in our facilities.  
 Material is of USA melt and manufacture.  
 No welds/weld repairs performed.  
 knowingly and willfully recording any false, fictitious or fraudulent statement or entry on this document may be punished as a felony under federal statutes, including federal law, Title 18, Chapter 47.  
 Material is compliant with the European Union Directive 2002/95/EC - Restriction of Hazardous Substances (RoHS).  
 "H", "TH", "RH", and other heat treated values are capability test results.  
 DIN EN 10204:2005 3.1 certificate


### Certification Statements

Re-test <= 5% per periodic test requirement.


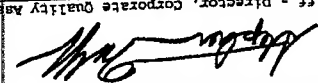
### Metallography - General

Test Limit	Units	Min	Max	Min	Max
TENSILE	psi	---	---	190000	---
ELONGATION	%	---	---	8	---
RED OF AREA	%	---	---	30	---
HARDNESS	---	---	---	352 HBW	40 HRC
					47 HRC
Spec:					
Condition:	ANNEALED				
Direction:	TRANSVERSE				
Temperature:	ROOM TEMP				
	ROOM TEMP				
	TRANSVERSE				

### Mechanical Property Requirements

		500 Green Street Washington, PA 15301	
Cert Number 0003237-00 Sales Order 50-111-083 Cert Date Jan-06-2012		Name COPPER & BRASS SALES INC PO 5400122536-R04 PO NOV-03-2011	
Mill Information		Customer Information	
<b>Certificate of Test</b>		Stephen Wolff - Director, Corporate Quality Assurance	



 <b>ATI Allegheny Ludlum</b>		500 Green Street Washington, PA 15301	
<b>Certificate of Test</b>		<b>Mill Information</b>	
		Cert Number 0003237-00	Cert Date Jan-06-2012
 Stephen Wolff - Director, Corporate Quality Assurance		<b>Customer Information</b>	
		Name COPPER & BRASS SALES INC	PO 5400122536-R04
		Date Nov-03-2011	

**General Statements**  
ATI Allegheny Ludlum's web site contains a listing of current quality and company accreditations, materials produced, general technical and contact information. Please visit us at [www.allegheny-ludlum.com](http://www.allegheny-ludlum.com).



*Blue Ray*

BILL POYNOR, LABORATORIES SUPERVISOR

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA ON A QUALIFYING COUNTRY PER DRAWS 228.172-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DRAWS 282.226 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW, 18U-9001:2000 CERTIFIED.

CERTIFICATION

Chemistry:	2024 MIN	MAX
SI	0.00	0.50
FE	0.00	0.50
CU	3.8	4.9
MN	0.30	0.9
MG	1.2	1.8
CR	0.00	0.10
ZN	0.00	0.28
TI	0.00	0.15
V	0.00	0.05
ZR	0.00	0.05
OTHER	0.06	0.15
MAX	0.06	0.15

ALLOY LIMITS

Chemistry:	Actual
SI	0.08
FE	0.21
CU	4.5
MN	0.64
MG	1.4
CR	0.01
ZN	0.16
TI	0.02
V	0.01
ZR	0.00
OTHER	0.03

(ASTM E1251)

Tensile: T3  
(EN 2002-1)  
(ASTM E8/2557)  
Dir / # Tests  
LT / 2 (Min:Max)  
Ultimate KSI (MPa) 68.9 : 69.5 (475 : 479)  
Yield KSI (MPa) 45.3 : 48.1 (312 : 318)  
Elongation % 16.3 : 18.4

Lot: 518886A7 Cast 509

Drop 37

Ingot 2

Test Code: 1504

Test Results

AMS 4037/RevN  
CMMP 019/RevD

AMS-00-A-250/4/RevA  
CMMP 025/RevT

ASTM B 209/Rev07

Certified Specifications

CUSTOMER PO NUMBER:	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD:	GOVT CONTRACT NUMBER:
56F180	061826-6	101893/3	061825-6	101825-6
KAISER ORDER NO:	LINE ITEM:	SHIP DATE:	ALLOY:	CLAD:
1104242	1	30-SEP-2010	2024	BARE
WEIGHT SHIPPED:	QUANTITY:	BL NUMBER:	GAGE:	TEMPER:
3599 LB	127 PCS EST.	2029069	0.0400 IN	T3
			DIAMETER/WIDTH:	LENGTH:
			48.000 IN	144.000 IN
			HT Flat Sheet	PRODUCT DESCRIPTION:

SHIP TO:  
THYSSENKRUPP AEROSPACE(KENT)  
5002 D STREET NW  
BUILDING 35 S  
AUBURN, WA 98001

SOLD TO:  
THYSSENKRUPP AEROSPACE(KENT)  
6811 SOUTH 204TH STREET  
SUITE 400  
KENT, WA 98032

**KAISER ALUMINUM**  
Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586  
Serial Number  
4206193

CERTIFIED TEST REPORT

**DART** Dart Aerospace Ltd.  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 Tel: 613 632 9577  
 Fax: 613 632 1053

**PURCHASE ORDER**  
 Purchase Order ID PO15910  
 Purchase Order Date 1/17/12  
 PO Print Date 1/17/12  
 Page Number 1 of 2

Order From : THYSSENKRUPP MATERIALS CA LTD  
 O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"  
 TORONTO, ON M5W 5V8  
 CA

Contact Name Vendor Phone 905 669 9444  
 Vendor Fax 905 738 9033  
 Vendor Account Nbr  
 Buyer Chantal Lavoie  
 Requisition Nbr  
 Tax Resale Nbr 10127-2607  
 Terms Net 30  
 Currency CAD  
 FOB Destination-Collect

Ship To : DART AEROSPACE LTD  
 1270 ABERDEEN  
 HAWKESBURY, ON K6A 1K7  
 CANADA

Line Nbr	Reference	Revision ID	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable Unit of Measure	Reg Qty/ Ship Method	Unit Price	Extended Price
1	M6061T6S.080			6061-T6 .080 Sheet	1/23/12 Yes sf	192.00 Yours ppd	\$3,6458	\$700.00
Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027 OR ASTM B209								
2	M174B0.250X4.000			17-4 SS Bar .250 X 4.00	1/23/12 Yes f	24.00 Yours ppd	\$26,2500	\$630.00
Special Inst: MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/6543 GRAIN MUST BE ALONG LENGTH OF BAR								
3	M2024T3S.040			2024-T3 .040 sheet	1/23/12 Yes sf	192.00 Yours ppd	\$3,2292	\$620.00
Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209								

Change Nbr: 1  
 Change Date: 1/17/12  
 No substitution or deviation without consent.  
 Certificate of Conformity or Material Certification required when applicable

**Dart Aerospace Ltd.**  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 Tel: 613 632 9577  
 Fax: 613 632 1053

**PURCHASE ORDER**  
 Purchase Order ID PO15910

Purchase Order Date 1/17/12  
 PO Print Date 1/17/12

Page Number 2 of 2

Order From :  
 THYSSENKRUPP MATERIALS CA LTD  
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"  
 TORONTO, ON M5W 5V8  
 CA

Contact Name  
 Vendor Phone 905 669 9444  
 Vendor Fax 905 738 9033  
 Vendor Account Nbr  
 Buyer Chantal Lavoie  
 Requisition Nbr  
 Tax Resale Nbr  
 Terms Net 30  
 Currency CAD  
 FOB Destination-Collect

4	M303R0.187	303 Round Bar 0.187"	1/23/12	Yes	12.00	Yours ppd	\$2.0833	\$25.00
---	------------	----------------------	---------	-----	-------	-----------	----------	---------

Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS

PER ASTM A582  
 NOTE: AISI 304/316 NOT ACCEPTABLE

5	M303R0.750	303 Round Bar 0.750	1/23/12	Yes	36.00	Yours ppd	\$3.9000	\$140.40
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Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS

PER ASTM A582  
 NOTE: AISI 304/316 NOT ACCEPTABLE

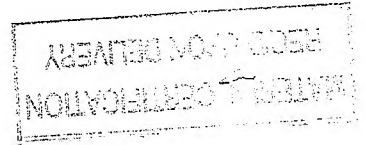
6	M6061T6R0.625	6061-T6 Round Bar .625"	1/23/12	Yes	48.00	Yours ppd	\$0.9200	\$44.16
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Special Inst: MATERIAL: 6061-

T6/T651/T6510/T6511/T62  
 ALUMINUM ROUND BAR AS PER  
 QQ-A-225/8 OR AMS-QQ-A-225/8 OR  
 AMS 4117/4128  
 4128/4115/4116 OR AMS 4160 OR QQ-A-  
 200/8 OR AMS-QQ-A-200/8  
 OR ASTM B211 OR ASTM B221

PO Total:

\$2,159.56



No substitution or deviation without  
 consent.  
 Certificate of Conformity or Material  
 Certification required when applicable  
 Change Nbr: 1  
 Change Date: 1/17/12